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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: A. Robin POOLE
Title: PRODUCTS FOR REGULATING THE
DEGRADATION OF COLLAGEN AND
METHODS FOR IDENTIFYING SAME
Appl. No.: 10/674,065
Filing Date: 9/30/2003
Examiner: Hope A. Robinson
Art Unit: 1652
Conf. No.: 1202

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b)(4), before the mailing date of the first Office Action after the filing of a Request for Continued Examination.

RELEVANCE OF EACH DOCUMENT

Documents B1 and B5 were submitted along with an Amendment filed on February 12, 2007, and are cited herein to ensure that they are considered and made of record in the present application. Documents B2-B4 and B6-B7 were cited in the enclosed Supplementary Partial European Search Report dated July 17, 2007, in the counterpart European application. The Dahlberg et al. article is not submitted since it was cited in the Information Disclosure Statement filed on April 30, 2004, and has already been considered by the Examiner.

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

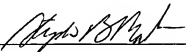
Although Applicant believes that no fee is required for this Request, the Commissioner is hereby authorized to charge any additional fees which may be required for this Request to Deposit Account No. 19-0741.

Respectfully submitted,


Date August 22, 2007

By _____

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		Substitute for form 1449/PTO		Complete if Known	
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
		Date Submitted: August 22, 2007		Application Number 10/674,065	
		Use as many sheets as necessary		Filing Date 9/30/2003	
Sheet	1	of	1	First Named Inventor	A. Robin Poole
				Art Unit	1652
				Examiner Name	Hope A. Robinson
				Attorney Docket Number	079328-0105

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code* Number* Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ³

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	† ³
	B1	BORDO et al., "Suggestions for 'Safe' Residue Substitutions in Site-directed Mutagenesis," J. Mol. Biol., 1991, 217:721-729.	
	B2	DATABASE UniProt [Online] 21 July 1986, "Collagen alpha-1(I) chain precursor (Alpha-1 type II collagen) (Fragments)." XP002438406 retrieved from EBI accession no. UNIPROT:P02459 Database accession no. P02459, abstract (3 pages).	
	B3	DATABASE Geneseq [Online] 6 August 2001, "Human alpha1 (I) type I collagen helical domain (residues 179-280)." XP002438407 retrieved from EBI accession no. GSP:AAE02701 Database accession no. AAE02701, abstract (1 page).	
	B4	DATABASE Geneseq [Online] 7 September 2001, "Synthetic human target autoantigen shCollagen/RA." XP002440590 retrieved from EBI accession no. GSP:AAU02072 Database accession no.: AAU02072, abstract (1 page).	
	B5	TAYLOR et al., "The Classification of Amino Acid Conservation," J. Theor. Biol., 1986, 119:205-218.	
	B6	YASUDA et al., "A Fibronectin Fragment Induces Type II Collagen Degradation by Collagenase Through an Interleukin-1-Mediated Pathway," Arthritis & Rheumatism, January 2002, 46(1):138-148.	
	B7	YASUDA et al., "Peptides of type II collagen can induce the cleavage of type II collagen and aggrecan in articular cartilage," Matrix Biology, September 2006, 25(7):419-429.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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